



# ISTAR 2016-17

**Using the ISTAR Blueprints and Instructional &  
Assessment Guidance including Content Connectors  
Grades 3-8 and 10**

# Blueprints

## ISTAR Grade 5 Mathematics Blueprint

### 2016–2017 ISTAR Blueprint Overview Grade 5 Mathematics

*The following table provides an overview of the ISTAR Grade 5 Mathematics blueprint.*

Strands Assessed	Percent Range*
Number Sense and Computation	44% – 64%
Algebraic Thinking and Data Analysis	18% – 28%
Geometry and Measurement	18% – 28%

\*This range represents the approximate emphasis for each reporting category on the assessment.

<http://www.doe.in.gov/assessment/alternate-assessments>

# Instructional and Assessment Guidance including Content Connectors

**Purpose:** Provide guidance at the standard-level regarding the assessment to assist in instructional decisions.



**Instructional and Assessment Guidance**  
**Indiana Academic Standards, including the Content Connectors: 2016-17**  
**ISTAR: Mathematics – Grade 5**

Symbol	Content Priority	Approximate Instructional Time
✓+	Critical	60 - 80%
✓	Important	40 - 60%
□	Additional	5 - 10%

Indiana Academic Standards	Content Connectors	Priority
<b>Number Sense</b>		
5.NS.1: Use a number line to compare and order fractions, mixed numbers, and decimals to thousandths. Write the results using $>$ , $=$ , and $<$ symbols.	5.NS.1.a.1: Read, write, or select a decimal to the hundredths place.	✓+
	5.NS.1.a.2: Compare two decimals to the hundredths place with a value of less than 1. Make relationship to money. Use symbols $<$ , $>$ , and $=$ & vocabulary. Model with coins.	✓+
5.NS.5: Use place value understanding to round decimal numbers up to thousandths to any given place value.	5.NS.5.a.1: Round decimals to the next whole number. Use next dollar up strategy.	✓
<b>Computation</b>		
5.C.1: Multiply multi-digit whole numbers fluently using a standard algorithmic approach.	5.C.1.a.1: Use fact families to help multiply factors up to 10 (0-10).	✓+
5.C.2: Find whole-number quotients and remainders with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Describe the strategy and explain the reasoning used.	5.C.2.a.1: Solve word problems that require division.	✓+
	5.C.2.a.2: Solve word problems that require multiplication.	✓+
5.C.8: Add, subtract, multiply, and divide decimals to hundredths, using models or drawings and strategies based on place value or the properties of operations. Describe the strategy and explain the reasoning.	5.C.8.a.1: Solve 1 step problems using decimals.	✓+
<b>Algebraic Thinking</b>		
5.AT.1: Solve real-world problems involving multiplication and division of whole numbers (e.g., by using equations to represent the problem). In division problems that involve a remainder, explain how the remainder affects the solution to the problem.	5.AT.1.a.1: Solve problems or word problems using up to 3-digit multiplication or 3-digit division with no remainder.	✓
5.AT.5: Solve real-world problems involving addition, subtraction, multiplication, and division with decimals to hundredths, including problems that involve money in decimal notation (e.g., by using equations to represent the problem).	5.AT.5.a.1: Solve real-world problems involving addition, subtraction, multiplication, and division with decimals to hundredths, including problems that involve money in decimal notation.	✓+

# Other Resources

## **2016-2017 Indiana Assessment Program Manual**

<http://www.doe.in.gov/assessment>

- Chapter 4 – ISTAR Alternate Assessment
  - Purpose of Alternate Assessment
  - ISTAR Structure and Content
- Appendix C - Accessibility and Accommodations Guidance

## **Alternate Assessments Page**

<http://www.doe.in.gov/assessment/alternate-assessments>

- Item Samplers
- ISTAR Standards and Assessment Vocabulary
- Criteria for Determining Participation

## **Project Success**

<http://www.projectsuccesindiana.com/>

# Questions

For general information and policy questions about Alternate Assessment/ISTAR, contact Karen Stein @ [istar@doe.in.gov](mailto:istar@doe.in.gov) or visit our website @ <http://www.doe.in.gov/assessment/alternate-assessments>

